

DURMAT[®] 541-PTA

PTA metal powder for corrosion and abrasion resistant hardfacings

General characteristics:

DURMAT 541-PTA is a atomized powder, which deposits a high Cr-alloyed hardfacing. It can be applied as abrasion and corrosion resistant hardfacing.

Application:

Extruder screws in meat manufacturing industry, chemical industry.

Chemical composition (in wt.-%):

Cr	C	Si	Mn	Ni	Fe
25	2.6	1	1	0.4	Balance

Physical characteristics:

Hardness: 52-55 HRC
Structure: martensitic with carbides
Grain Size: -160 +63 μm **)

Delivery form:

PE-bottle: 5 kg **)

Welding recommendation:

DURMAT 541-PTA is deposited crack free by controlling the operational conditions. For substrate materials with high carbon content a buffer layer or preheating is recommended. After welding, the component should be cooled slowly preferably by furnace operation.

**) others on request